865 Purchase Order Change Acknowledgment/Request - Seller Initiated

Functional Group=CA

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Acknowledgment/Request - Seller Initiated Transaction Set (865) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to convey acceptance or rejection of changes to a previously submitted purchase order by the seller or to notify the buyer of changes initiated by the seller to a previously submitted purchase order by the seller.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BCA	Beginning Segment for Purchase Order Change Acknowledgment	M	1			Must use
050	REF	Reference Identification	O	>1			Used
150	DTM	Date/Time Reference	O	10			Used
260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Used
LOOP ID - N9					**1000**		
280	N9	Reference Identification	O	1			Used
290	MSG	Message Text	O	1000			Used
LOOP ID - N1					**200**		
300	N1	Name	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - POC					**>1**		
010	POC	Line Item Change	O	1			Used
015	LIN	Item Identification	O	>1			Used
030	PO3	Additional Item Detail	O	25			Used
040	CTP	Pricing Information	O	>1			Used
LOOP ID - PID					**1000**		
050	PID	Product/Item Description	O	1			Used
100	REF	Reference Identification	O	>1			Used
LOOP ID - SAC					**25**		
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - ACK					**104**		
270	ACK	Line Item Acknowledgment	O	1			Used
LOOP ID - N9					**1000**		
350	N9	Reference Identification	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/010L**	
010	CTT	Transaction Totals	O	1		N3/010	Used
030	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/010L   Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

3/010   Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

User Note 1: *This transaction set is used to acknowledge an order change placed directly with a vendor - no 860 has been sent/received.*

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **All valid standard codes are used.**	M	ID	3/3	Must use
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BCA   Beginning Segment for Purchase Order Change Acknowledgment

Pos: 020   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 9

User Option (Usage): Must use

To indicate the beginning of the Purchase Order Change Acknowledgment Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCA01	353	**Transaction Set Purpose Code** **Description:** Code identifying purpose of transaction set	M	ID	2/2	Must use

Code	Name
00	Original

User Note 1: *Use to indicate an original transmission of an 865 transaction set.*

Code	Name
07	Duplicate

User Note 1: *Use to indicate the retransmission of a previously transmitted 865 transaction set.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCA02	587	**Acknowledgment Type** **Description:** Code specifying the type of acknowledgment	O	ID	2/2	Must use

Code	Name
AC	Acknowledge - With Detail and Change

User Note 1: *Use to indicate an order is being acknowledged with detail and/or changes. This may include the rejection of one or more line items.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCA03	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser **User Note 1:** *Use to identify the award instrument number (PIIN) to which this transaction set applies.*	M	AN	1/22	Must use
BCA04	328	**Release Number** **Description:** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction **User Note 1:** *Use to identify the number of a release, call or delivery order (SPIIN) against a basic award instrument to which this transaction set applies.*	O	AN	1/30	Used
BCA05	327	**Change Order Sequence Number** **Description:** Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set **User Note 1:** *Use to identify the official modification number.*	O	AN	1/8	Used
BCA06	373	**Date** **Description:** Date expressed as CCYYMMDD **User Note 1:** *Cite the 865 transaction date.*	M	DT	8/8	Must use
BCA09	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

		User Note 1: *The number/id assigned by the vendor to identify the transaction. For use by the APV program only.*				
BCA12	373	**Date** **Description:** Date expressed as CCYYMMDD	O	DT	8/8	Used
		User Note 1: *Date of transmission. For use by the APV program only.*				
BCA15	640	**Transaction Type Code** **Description:** Code specifying the type of transaction	O	ID	2/2	Used

Code	Name
RQ	Request

User Note 1: *Only use to indicate a vendor-initiated change request.*

Semantics:

1. BCA06 is the date assigned by the purchaser to purchase order.
2. BCA09 is the seller's order number.
3. BCA10 is the date assigned by the sender to the acknowledgment.
4. BCA11 is the date of the purchase order change request.
5. BCA12 is the order change acknowledgment date.

REF   Reference Identification

Pos: 050	**Max: >1**
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				

Code	Name
IL	Internal Order Number

> **User Note 1:** *Customer's Summary Document/Requisition Number*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

> **User Note 1:** *If a document has a revision or extension, the document number and the revision or extension number should be concatenated and cited in this data element.*

Syntax:

1.   R0203 - At least one of REF02,REF03 is required

Semantics:

1.   REF04 contains data relating to the value cited in REF02.

DTM   Date/Time Reference

Pos: 150   Max: 10
Heading - Optional
Loop: N/A   Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
069	Promised for Delivery

> **User Note 1:** *Use to indicate the exact date the vendor proposed to make delivery.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Syntax:

1. R020305 - At least one of DTM02,DTM03,DTM05 is required
2. C0403 - If DTM04 is present, then all of DTM03 are required
3. P0506 - If either DTM05,DTM06 is present, then all are required

> **User Note 1:** *Segment is for use by the APV program only.*

TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 260   **Max: 5**
Heading - Optional
Loop: N/A   **Elements: 3**

User Option (Usage): Used

To specify transportation special handling requirements, or hazardous materials information, or both

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD401	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions	X	ID	2/3	Used

Code	Name
HM	Endorsed as Hazardous Material

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD402	208	**Hazardous Material Code Qualifier** **Description:** Code which qualifies the Hazardous Material Class Code (209) **All valid standard codes are used.**	X	ID	1/1	Used
TD403	209	**Hazardous Material Class Code** **Description:** Code specifying the kind of hazard for a material	X	AN	1/4	Used

Syntax:

1. R010204 - At least one of TD401,TD402,TD404 is required
2. C0203 - If TD402 is present, then all of TD403 are required

Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

User Note 1: *This segment is for use by the APV program only.*

Loop N9

<table>
<tr><td>Pos: 280</td><td>Repeat: 1000</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: N/A</td></tr>
</table>

To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
280	N9	Reference Identification	O	1		Used
290	MSG	Message Text	O	1000		Used

N9   Reference Identification

<table>
<tr><td>Pos: 280</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
55	Sequence Number

User Note 1: *For use by the APV program only.*

L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N903	369	**Free-form Description**	X	AN	1/45	Used

Description: Free-form descriptive text
User Note 1: *Cite "Explanation" when N901="55".*

Cite "Note" when N901="L1".

Syntax:

1. R0203 - At least one of N902,N903 is required
2. C0605 - If N906 is present, then all of N905 are required

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MSG Message Text

<table>
<tr><td>Pos: 290</td><td>Max: 1000</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N9</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used

To provide a free-form format that allows the transmission of text information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

Description: Free-form message text

User Note 1: *when N901="55", acceptable values are "TIRE", "BATTERY", "CANNOT IDENTIFY" or "INADEQUATE DATA".*

when N901="L1", cite reason for cancellation request.

Syntax:
1. C0302 - If MSG03 is present, then all of MSG02 are required

Semantics:
1. MSG03 is the number of lines to advance before printing.

Comments:
1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Loop N1

Pos: 300	Repeat: 200
Optional	
Loop: N1	**Elements: N/A**

To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
300	N1	Name	O	1		Used

User Note 1: *At least 2 iterations of this segment are REQUIRED with N101 citing code BY and SE.*

N1   Name

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	**Elements: 3**

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code	Name
BY	Buying Party (Purchaser)
R6	Requester
SE	Selling Party
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Must use

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet

> **User Note 1:** *For use by Medical only.*

Code	Name
10	Department of Defense Activity Address Code (DODAAC)

> **User Note 1:** *Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address Code.*

Code	Name
33	Commercial and Government Entity (CAGE)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Must use

Description: Code identifying a party or other code

Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Loop POC

Pos: 010		**Repeat: >1**
	Optional	
Loop: POC		**Elements: N/A**

To specify changes to a line item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	POC	Line Item Change	O	1		Used
015	LIN	Item Identification	O	>1		Used
030	PO3	Additional Item Detail	O	25		Used
040	CTP	Pricing Information	O	>1		Used
050		Loop PID	O		1000	Used
100	REF	Reference Identification	O	>1		Used
130		Loop SAC	O		25	Used
270		Loop ACK	O		104	Used
350		Loop N9	O		1000	Used

User Note 1:

FOR non-Medical TVR PROGRAMS
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All line items must be identified by citing the CLIN in POC01. In addition:

To reject a line item, cite the appropriate rejection code in ACK01.

To accept a line item without changes, cite 'IA' in ACK01.

To accept a line item with a quantity change, cite the new order qty/uom in POC03/POC05 and 'IQ' in ACK01.

To accept a line item with a material substitution, cite the order qty/uom in POC03/POC05, price in POC06/POC07, material identification in the Qualf/Product pairings of the POC and LIN segments, additional pricing info in the CTP segment, item description in the PID segment, all relevant reference numbers and attributes in the REF segment, service info in the SAC segment, and 'IS' in ACK01.

To add a new line item, cite the same info as for a material substitution.

Changes to the unit of measure are not allowed. To affect a unit of measure change, the original line item must be rejected and a new line item (with an incremented CLIN) must be added.

POC Line Item Change

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: POC</td><td>Elements: 13</td></tr>
</table>

User Option (Usage): Used

To specify changes to a line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC01	350	**Assigned Identification**	O	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
		User Note 1: *Use to specify the Contract Line Item Number(CLIN).*				
POC02	670	**Change or Response Type Code**	M	ID	2/2	Must use
		Description: Code specifying the type of change to the line item				

Code	Name
AI	Add Additional Item(s)

User Note 1: *For TVR program: use this code to indicate a line item that has been added to the order since the last acknowledgment (855 or 865) transaction.*

Code	Name
CA	Changes To Line Items

User Note 1: *For APV program: use this code when indicating acceptance, changes or rejection of the line item.*

For TVR program: use this code to indicate changes or rejection of the line item.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC03	330	**Quantity Ordered**	O	R	1/15	Used
		Description: Quantity ordered				
		User Note 1: *Quantity accepted by the selling party.*				
		This element always contains the "FILL" quantity. If the "FILL" quantity is less than the customer's original order quantity, cite the "KILL" quantity in ACK02.				
POC04	671	**Quantity Left to Receive**	X	R	1/9	Used
		Description: Quantity left to receive as qualified by the unit of measure				
		User Note 1: *Cite the quantity yet to be shipped.*				
POC05	C001	**Composite Unit of Measure**	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		User Note 1: *Use to identify the unit of measure applicable to the quantity cited in POC03.* **All valid standard codes are used.**				
POC06	212	**Unit Price**	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
		User Note 1: *Cite the Burdened Unit Price.*				
POC07	639	**Basis of Unit Price Code**	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				

Code	Name

| | NC | No Charge | | | | |

> **User Note 1:** *For use by the APV program only.*

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
POC08	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

> **User Note 1:** *1. Cite the appropriate code to identify the line item.*
>
> *2. Use the LIN segment for the identification of manufacturers and associated part numbers.*

Code	**Name**
FS	National Stock Number
HI	HIBC (Health Care Industry Bar Code)
IB	International Standard Book Number (ISBN)
IN	Buyer's Item Number
N4	National Drug Code in 5-4-2 Format
ND	National Drug Code (NDC)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UX	Universal Product Number
VC	Vendor's (Seller's) Catalog Number
VP	Vendor's (Seller's) Part Number

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
POC09	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
POC10	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	**Name**
FS	National Stock Number
HI	HIBC (Health Care Industry Bar Code)
IB	International Standard Book Number (ISBN)
IN	Buyer's Item Number
N4	National Drug Code in 5-4-2 Format
ND	National Drug Code (NDC)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UX	Universal Product Number
VC	Vendor's (Seller's) Catalog Number
VP	Vendor's (Seller's) Part Number

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
POC11	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
POC12	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	**Name**
FS	National Stock Number
HI	HIBC (Health Care Industry Bar Code)
IB	International Standard Book Number (ISBN)
IN	Buyer's Item Number
N4	National Drug Code in 5-4-2 Format
ND	National Drug Code (NDC)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UX	Universal Product Number
VC	Vendor's (Seller's) Catalog Number
VP	Vendor's (Seller's) Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
POC13	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Syntax:

1. C030405 - If POC03 is present, then all of POC04,POC05 are required
2. C0706 - If POC07 is present, then all of POC06 are required
3. P0809 - If either POC08,POC09 is present, then all are required
4. P1011 - If either POC10,POC11 is present, then all are required
5. P1213 - If either POC12,POC13 is present, then all are required
6. P1415 - If either POC14,POC15 is present, then all are required
7. P1617 - If either POC16,POC17 is present, then all are required
8. P1819 - If either POC18,POC19 is present, then all are required
9. P2021 - If either POC20,POC21 is present, then all are required
10. P2223 - If either POC22,POC23 is present, then all are required
11. P2425 - If either POC24,POC25 is present, then all are required
12. P2627 - If either POC26,POC27 is present, then all are required

Semantics:

1. POC01 is the purchase order line item identification.

LIN   Item Identification

Pos: 015	Max: >1
Detail - Optional	
Loop: POC	**Elements: 6**

User Option (Usage): Used

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code	Name
MF	Manufacturer
	User Note 1: *Cite the manufacturer's name.*
MG	Manufacturer's Part Number
	User Note 1: *The Manufacturer's Name ("MF") or CAGE ("ZB") is required to distinguish this part number.*
ZB	Commercial and Government Entity (CAGE) Code
	User Note 1: *Cite the manufacturer's CAGE.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
LIN04	235	**Product/Service ID Qualifier**	X	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code	Name
MF	Manufacturer
	User Note 1: *Cite the manufacturer's name.*
MG	Manufacturer's Part Number
	User Note 1: *The Manufacturer's Name ("MF") or CAGE ("ZB") is required to distinguish this part number.*
ZB	Commercial and Government Entity (CAGE) Code
	User Note 1: *Cite the manufacturer's CAGE.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN05	234	**Product/Service ID**	X	AN	1/48	Must use
		Description: Identifying number for a product or service				
LIN06	235	**Product/Service ID Qualifier**	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code	Name
MF	Manufacturer
	User Note 1: *Cite the manufacturer's name.*
MG	Manufacturer's Part Number
	User Note 1: *The Manufacturer's Name ("MF") or CAGE ("ZB") is required to distinguish this part number.*
ZB	Commercial and Government Entity (CAGE) Code
	User Note 1: *Cite the manufacturer's CAGE.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN07	234	**Product/Service ID**	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax:

1.   P0405 - If either LIN04,LIN05 is present, then all are required
2.   P0607 - If either LIN06,LIN07 is present, then all are required
3.   P0809 - If either LIN08,LIN09 is present, then all are required
4.   P1011 - If either LIN10,LIN11 is present, then all are required
5.   P1213 - If either LIN12,LIN13 is present, then all are required
6.   P1415 - If either LIN14,LIN15 is present, then all are required
7.   P1617 - If either LIN16,LIN17 is present, then all are required
8.   P1819 - If either LIN18,LIN19 is present, then all are required
9.   P2021 - If either LIN20,LIN21 is present, then all are required
10. P2223 - If either LIN22,LIN23 is present, then all are required
11. P2425 - If either LIN24,LIN25 is present, then all are required
12. P2627 - If either LIN26,LIN27 is present, then all are required
13. P2829 - If either LIN28,LIN29 is present, then all are required
14. P3031 - If either LIN30,LIN31 is present, then all are required

Semantics:

1.   LIN01 is the line item identification

Comments:

1.   See the Data Dictionary for a complete list of IDs.
2.   LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

User Note 1: *Use this segment to identify a manufacturer, with an associated manufacturer's part number for the product specified in the POC segment.*

PO3   Additional Item Detail

Pos: 030   Max: 25
Detail - Optional
Loop: POC   Elements: 5

User Option (Usage): Used

To specify additional item-related data involving variations in normal price/quantity structure

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO301	371	**Change Reason Code**	M	ID	2/2	Must use
		Description: Code specifying the reason for price or quantity change				

Code	Name
AQ	Alternate Quantity and Unit of Measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO303	236	**Price Identifier Code**	X	ID	3/3	Used
		Description: Code identifying pricing specification				

Code	Name
ALT	Alternate Price

User Note 1: *Unit Price in alternate unit of measure (PO307).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO304	212	**Unit Price**	O	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
		User Note 1: *Requested Price.*				
PO306	380	**Quantity**	M	R	1/15	Must use
		Description: Numeric value of quantity				
		User Note 1: *Requested Quantity*				
PO307	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		User Note 1: *Requested Quantity's unit of measure* **All valid standard codes are used.**				

Syntax:

1.   L040305 - If PO304 is present, then at least one of PO303,PO305 is required

Comments:

1.   Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
2.   PO307 defines the unit of measure for PO306.

User Note 1: *Segment is for use by the APV program only. Provides price and quantity for an alternate unit of measure.*

CTP   Pricing Information

<table>
<tr><td>Pos: 040</td><td>Max: >1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: POC</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP02	236	**Price Identifier Code**	X	ID	3/3	Must use

Description: Code identifying pricing specification

Code	Name
BCH	Base Charge

User Note 1: *Cite the Unburdened Unit Price in CTP03.*

STA	Standard Price

User Note 1: *Cite the Standard Unit Price in CTP03.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	**Unit Price**	X	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.

Syntax:
1. P0405 - If either CTP04,CTP05 is present, then all are required
2. C0607 - If CTP06 is present, then all of CTP07 are required
3. C0902 - If CTP09 is present, then all of CTP02 are required
4. C1002 - If CTP10 is present, then all of CTP02 are required
5. C1103 - If CTP11 is present, then all of CTP03 are required

Semantics:
1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:
1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Loop PID

<table>
<tr><td>Pos: 050</td><td>Repeat: 1000</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: PID</td><td>Elements: N/A</td></tr>
</table>

To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	PID	Product/Item Description	O	1		Used

PID   Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	**Elements: 2**

User Option (Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use
		Description: Code indicating the format of a description				

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Syntax:

1. C0403 - If PID04 is present, then all of PID03 are required
2. R0405 - At least one of PID04,PID05 is required
3. C0703 - If PID07 is present, then all of PID03 are required
4. C0804 - If PID08 is present, then all of PID04 are required
5. C0905 - If PID09 is present, then all of PID05 are required

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

REF   Reference Identification

Pos: 100	**Max: >1**
Detail - Optional	
Loop: POC	**Elements: 3**

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
16	Military Interdepartmental Purchase Request (MIPR) Number
IL	Internal Order Number

> **User Note 1:** *MILSTRIP Requisition Number. Cite if different from (header) Summary Document number.*

P7	Product Line Number

> **User Note 1:** *Core List Item Number*

W2	Weapon System Number
W8	Suffix

> **User Note 1:** *MILSTRIP Requisition Suffix*

XY	Other Unlisted Type of Reference Number

> **User Note 1:** *When "XY" is used, REF02 will contain the data value and REF03 will contain the data type descriptor.*
>
> *REF03 values:*
>
> *"PRICE IND" - IPV only:*
> *REF02="D", DLA Contract*
> *REF02="C", Commerical Price*
> *C&E only:*
> *REF02="PR", Product*
> *REF02="SE", Service*
> *REF02="BE", Bench Stock*
> *REF02="AF", Air Freight*
> *REF02="FR", Freight*
>
> *"RESOURCE COST CTR", REF02= Resource Cost Center*
>
> *"SUBC SOCIOEC CODE", REF02= Subcontractor Socio-Economic Code*
>
> *"CONTRACTOR PO", REF02= Contractor PO#*
>
> *"CONTRACTOR CONTROL NUM", REF02= Contractor Control Number*
>
> *"SHOP LOC", REF02= Customer Shop Location*
>
> *"BIN LOC", REF02= Bin Location*
>
> *"TRANSP INCL" - REF02="Y", Transportation Included in unit price,*
> *REF02="N", Transportation not Included*
>
> *"LEVEL A PKG" - REF02="Y", Level A Packaging,*
> *REF02="N", not Level A Packaging*

"TREATED" - REF02="Y", Treated Material (e.g. lumber),		
REF02="N", not Treated Material		
"PRICE UNIT" - REF02="TL", Truckload		
REF02="US", Unit		
REF02="LU", Less than Unit		

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
REF03	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0203 - At least one of REF02,REF03 is required

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Loop SAC

Pos: 130   **Repeat: 25**
Optional
Loop: SAC   **Elements: N/A**

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 130	Max: 1
Detail - Optional	
Loop: SAC	Elements: 9

User Option (Usage): Used

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code	Name
N	No Allowance or Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID	4/4	Must use

Description: Code identifying the service, promotion, allowance, or charge

User Note 1: *Any code may be used.*

The following codes are used for the Wood and Metal PV programs:

A520 Base Charge (Wood/Metal) - use to specify the cost, per ordered unit, of the raw material product from the mill.

B620 Container Stuffing (Wood) - use to specify the cost of obtaining and loading containers.

B760 Cost Recovery Factor - use to specify CRR % in SAC07.

F150 Packaging Service (Wood) - use to specify the shipping cost, per Bundle.

G821 Shipping (Metal) - use to specify the shipping cost, per ordered unit.

H151 Special Services (Metal) - use to specify the cost of extra services, per ordered unit.

The following is a preferred list for other programs:

A310 Air Express Charge
A320 Air Transportation Charge
A480 Assembly
B180 Cleaning Charge
B870 Customs Charge
B940 Cutting Charge
C000 Defective Allowance
C240 Disconnect Charge
C260 Discount-Incentive

Use to indicate that the contractor offers a discount when payment is made using the government credit card. Identify the discount as a total monetary value in SAC05, or as a percent in SAC06/07, or as a monetary rate in SAC08.

C300 Discount-Special
Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of25, the first discount
applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units.. Identify the percentage discount in SAC06/07 (citing code 5 inSAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.

C310 Discount
Use to indicate a general discount not related to a quantity or purchase amount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount is not used in combination with C300 or F910. Do not include any general discount within the C300 or F910 discount considerations.

C330 Distribution Fee
C370 Diversion Charge
C580 Emergency Service
C590 Emergency Surcharge
C830 Expanded Service
Use to indicate the cost for service beyond the basic area. Identify the cost in SAC05 and the area in SAC09/10/11.

C880 Expediting Premium
D170 Free Goods
Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy $100.00 and get 1 free; or buy 10, get 1 free. When a monetary value is used, identify the "buy" monetary amount in SAC05. When a specified quantity is used, identify the "free" quantity in SAC10 and the "buy" quantity in SAC11.

D290 Full Truck allowance
D340 Goods and Services Charge.
D440 Groupage Discount
Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

D500 Handling
D530 Hazardous Cargo Charge

D660 Hook-up charge
D820 Inside Delivery
D870 Inspection
D890 Installation and Training
D900 Installation
E340 Less Than Truckload (LTL) Charge
Use to indicate a charge for less than a full carload or truckload.

E400 Loading (Labor Charges)
E930 One-Day Service
F150 Packaging Service
F460 Postage
F560 Premium Transportation
F830 Proof of Delivery
Use to indicate a charge for the preparation of a DD Form 250.

F910 Quantity Discount
Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line item quantity is the discount to be applied to the unit price. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each increment.

G030 Reconnect Charge
G350 Rents and Leases
G470 Restocking Charge
G530 Rework
G580 Royalties
G600 Same-Day Service
G610 Saturday Delivery
G660 Scrap Allowance
G740 Service Charge
Use to indicate a basic charge for a service call. If the charge varies by distance, e.g., a set price within a 25 mile range, another price within a 50 mile range, etc. use SAC09/10/11 to provide that information.

G760 Set-up
G870 Shrink Wrap Charge
H000 Special Allowance
H030 Special Credit
Use to indicate the portion of a lease amount that is credited toward the purchase price on an Lease With Option to Purchase (LWOP). Use SAC06/07 to identify a percent or SAC08 to identify a discrete amount.

H110 Special Packaging
H170 Special Tooling Charge
H430 Storage
H540 Supplemental Items
Use to indicate Contractor Acquired Parts (CAP).

H550 Surcharge
H680 Tax - Governmental
H700 Tax - Local Tax
H770 Tax - State Tax
H850 Tax
H990 Testing Services Charge

		I260 Transportation Direct Billing *I330 Two-Day Service* *I380 Unloading (Labor Charges)* *I590 Warranties* *ZZZZ Use to indicate a training charge.* **All valid standard codes are used.**				
SAC05	610	**Amount** **Description:** Monetary amount **User Note 1:** *Total Amount - not a "per unit" amount.*	O	N2	1/15	Used
SAC06	378	**Allowance/Charge Percent Qualifier** **Description:** Code indicating on what basis allowance or charge percent is calculated **User Note 1:** *Use when SAC02 = B760 (Cost Recovery Factor) only.*	X	ID	1/1	Used

Code	**Name**
2	Item Net Cost

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
SAC07	332	**Percent** **Description:** Percent expressed as a percent **User Note 1:** *Use when SAC02 = B760 (Cost Recovery Factor) only.*	X	R	1/6	Used
SAC08	118	**Rate** **Description:** Rate expressed in the standard monetary denomination for the currency specified **User Note 1:** *Amount per ordering unit.* *Alternate quantity/uom can be specified in SAC09 and SAC10.* *DO NOT use when SAC02 = B760 (Cost Recovery Factor).*	O	R	1/9	Used
SAC09	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **User Note 1:** *Use only when SAC02 = "F150".* **All valid standard codes are used.**	X	ID	2/2	Used
SAC10	380	**Quantity** **Description:** Numeric value of quantity **User Note 1:** *Number of Bundles in the Shipment. Use only when SAC02="F150".*	X	R	1/15	Used
SAC15	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Not recom

Syntax:

1. R0203 - At least one of SAC02,SAC03 is required
2. P0304 - If either SAC03,SAC04 is present, then all are required
3. P0607 - If either SAC06,SAC07 is present, then all are required
4. P0910 - If either SAC09,SAC10 is present, then all are required
5. C1110 - If SAC11 is present, then all of SAC10 are required
6. L130204 - If SAC13 is present, then at least one of SAC02,SAC04 is required
7. C1413 - If SAC14 is present, then all of SAC13 are required
8. C1615 - If SAC16 is present, then all of SAC15 are required

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Loop ACK

<table>
<tr><td>Pos: 270</td><td>Repeat: 104</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: ACK</td><td>Elements: N/A</td></tr>
</table>

To acknowledge the ordered quantities and specify the ready date for a specific line item

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
270	ACK	Line Item Acknowledgment	O	1		Used

ACK   Line Item Acknowledgment

Pos: 270	**Max: 1**
Detail - Optional	
Loop: ACK	**Elements: 5**

User Option (Usage): Used

To acknowledge the ordered quantities and specify the ready date for a specific line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK01	668	**Line Item Status Code**	M	ID	2/2	Must use

Description: Code specifying the action taken by the seller on a line item requested by the buyer

User Note 1: *1. Cite codes IA or IP if the "KILL" quantity is zero and the "FILL" quantity equals the customer's original order quantity.*

2. Cite code IS if the "KILL" quantity is zero and the "FILL" quantity equals the customer's original order quantity and the item number has changed from the customer's originally requested item number.

3. Otherwise cite the listed code that best describes the "KILL" quantity reason.

Code	Name
DR	Item Accepted - Date Rescheduled
	User Note 1: *Cite code '069' in ACK04 and the delivery date in ACK05*
IA	Item Accepted
	User Note 1: *Item accepted without any changes.*
IC	Item Accepted - Changes Made
	User Note 1: *This value should only be used when more than one of the following attributes differs from the customer's request:*
	Quantity - use POC03, POC04 and POC05
	Price - use POC06
	Delivery Date - use ACK04='069' and ACK05
	Material - use POC08/09 et. al.
ID	Item Deleted
	User Note 1: *Indicates a Line Item that was deleted by the Customer.*
IP	Item Accepted - Price Changed
	User Note 1: *Cite the price in POC06.*
IQ	Item Accepted - Quantity Changed
	User Note 1: *Quanitity changes are indicated by using POC03, POC04 and POC05.*
IR	Item Rejected
	User Note 1: *Use this code only when a codes R1-R8 do not apply.*
IS	Item Accepted - Substitution Made
R1	Item Rejected, Not a Contract Item
R2	Item Rejected, Invalid Item Product Number
R3	Item Rejected, Invalid Unit of Issue
R4	Item Rejected, Contract Item not Available
R5	Item Rejected, Reorder Item as a Just in Time (JIT) Order
R6	Item Rejected, Reorder Item as an Extended Delivery Order (EDO)
R7	Item Rejected, Reorder Item as a Drop Shipment
R8	Item Rejected, Reorder Item as a Surge Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK02	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used

User Note 1: *Cite the "KILL" quantity when PO102 contains a quantity less than the customer's order quantity.*

ACK03	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **All valid standard codes are used.**	X	ID	2/2	Used
ACK04	374	**Date/Time Qualifier** **Description:** Code specifying type of date or time, or both date and time	O	ID	3/3	Used

Code	Name
069	Promised for Delivery

User Note 1: *Required when ACK01='DR'.*

Use if there are multiple changes to an item (ACK01='IC') and one of the them is a delivery date change.

Required when the Line Item has just been added by the Customer (POC02='AI').

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK05	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used

Syntax:

1. P0203 - If either ACK02,ACK03 is present, then all are required
2. C0405 - If ACK04 is present, then all of ACK05 are required
3. P0708 - If either ACK07,ACK08 is present, then all are required
4. P0910 - If either ACK09,ACK10 is present, then all are required
5. P1112 - If either ACK11,ACK12 is present, then all are required
6. P1314 - If either ACK13,ACK14 is present, then all are required
7. P1516 - If either ACK15,ACK16 is present, then all are required
8. P1718 - If either ACK17,ACK18 is present, then all are required
9. P1920 - If either ACK19,ACK20 is present, then all are required
10. P2122 - If either ACK21,ACK22 is present, then all are required
11. P2324 - If either ACK23,ACK24 is present, then all are required
12. P2526 - If either ACK25,ACK26 is present, then all are required
13. P2728 - If either ACK27,ACK28 is present, then all are required
14. C282729 - If ACK28 is present, then all of ACK27,ACK29 are required

Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Loop N9

<table>
<tr><td>**Pos: 350**</td><td>**Repeat: 1000**</td></tr>
<tr><td colspan="2">**Optional**</td></tr>
<tr><td>**Loop: N9**</td><td>**Elements: N/A**</td></tr>
</table>

To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
350	N9	Reference Identification	O	1		Used

N9   Reference Identification

Pos: 350   Max: 1
Detail - Optional
Loop: N9   Elements: 2

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
PL	Price List Number

User Note 1: *Use to indicate the Defense Supply Center Philadelphia Distribution and Pricing Agreement number applicable to the Prime Vendor source fulfilling this line item.*

Cite the item's DAPA, FSS or GPO contract number.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax:

1. R0203 - At least one of N902,N903 is required
2. C0605 - If N906 is present, then all of N905 are required

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop CTT

<div style="border:1px solid">

Pos: 010   **Repeat: 1**
Optional
Loop: CTT   **Elements: N/A**

</div>

To transmit a hash total for a specific element in the transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	CTT	Transaction Totals	O	1		Used

CTT **Transaction Totals**

Pos: 010   Max: 1
Summary - Optional
Loop: CTT   Elements: 1

User Option (Usage): Used

To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

User Note 1: *Use to identify the total number of POC segments contained in this transaction set.*

Syntax:

1. P0304 - If either CTT03,CTT04 is present, then all are required
2. P0506 - If either CTT05,CTT06 is present, then all are required

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE   Transaction Set Trailer

Pos: 030   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

1.   SE is the last segment of each transaction set.